

Answers – Decimals

PAGE 1 1 a $(1 \frac{1}{10}) + (2 \frac{1}{10}) + (8 \frac{1}{10})$ b $(5 \frac{1}{10}) + (3 \frac{1}{10}) + (1 \frac{1}{10}) + (6 \frac{1}{10})$ c $(1 \frac{1}{100}) + (8 \frac{1}{100}) + (5 \frac{1}{100}) + (3 \frac{1}{100}) + (7 \frac{1}{100})$ d $(4 \frac{1}{10}) + (8 \frac{1}{10}) + (9 \frac{1}{100}) + (1 \frac{1}{1000})$ e $(3 \frac{1}{100}) + (2 \frac{1}{10}) + (7 \frac{1}{10}) + (3 \frac{1}{1000})$ f $(5 \frac{1}{100}) + (9 \frac{1}{10}) + (3 \frac{1}{10}) + (6 \frac{1}{1000})$ 2 a 0.5 b 0.03 c 9.05 d 516.002 e 5.74 3 a $(2 \frac{1}{10}) + (5 \frac{1}{10}) + (6 \frac{1}{100}) + (8 \frac{1}{1000})$ b $(5 \frac{1}{10}) + (3 \frac{1}{10}) + (2 \frac{1}{10}) + (1 \frac{1}{1000})$ c $(5 \frac{1}{10}) + (3 \frac{1}{100}) + (7 \frac{1}{1000})$ 4 a 5.1 b 34.85 c 635.207

5 a 0.4, 0.5, 0.6 b 0.27, 0.28, 0.29 c 0.129, 0.132, 0.135 6 a tenth, $\frac{8}{10}$ b hundredth, $\frac{2}{100}$ c unit, 3 d unit, 7

PAGE 2 1 a 0.9 b 0.5 c 0.3 d 0.4 e 0.05 f 0.02 g 0.19 h 0.21 i 0.531 j 0.625 k 0.891 l 0.526 2 a 3.7 b 6.03 c 15.05 d 8.02 e 81.3 f 65.05 g 32.4 h 65.1 i 53.9 j 4.7 k 5.06 l 7.8 3 a 0.1 b 0.25 c 0.2 d 0.5 e 0.03 f 0.4 g 0.8 h 0.6 i 0.75 j 0.125 k 0.375 l 0.625 4 a 1 b 1.4 c 1.8 d 1.3 e 1.25 f 0.64 g 1.07 h 0.36

PAGE 3 1 a $\frac{3}{10}$ b $\frac{7}{10}$ c $\frac{9}{10}$ d $\frac{13}{100}$ e $\frac{37}{100}$ f $\frac{23}{1000}$ g $\frac{157}{1000}$ h $\frac{9}{100}$ i $\frac{2}{5}$ j $\frac{1}{4}$ k $\frac{4}{5}$ l $\frac{1}{2}$ m $\frac{1}{10}$ n $\frac{1}{5}$ o $\frac{3}{5}$ p $\frac{7}{10}$ q $\frac{3}{100}$ r $\frac{1}{50}$ s $\frac{9}{100}$ t $\frac{1}{125}$ 2 a $1\frac{1}{10}$ b $2\frac{7}{10}$ c $4\frac{3}{10}$ d $7\frac{9}{10}$ e $3\frac{1}{5}$ f $4\frac{4}{5}$ g $5\frac{3}{25}$ h $6\frac{12}{25}$ i $3\frac{1}{50}$ j $5\frac{1}{100}$ k $8\frac{1}{200}$ l $9\frac{3}{5}$ m $12\frac{9}{25}$ n $18\frac{27}{50}$ o $50\frac{13}{20}$ p $83\frac{1}{5}$ 3 a $2\frac{17}{100}$ b $8\frac{3}{4}$ c $\frac{7}{25}$ d $7\frac{1}{2}$ e $\frac{3}{4}$ f $\frac{16}{25}$ g $8\frac{9}{10}$ h $\frac{1}{8}$ i $6\frac{11}{20}$ j $\frac{321}{1000}$ k $\frac{83}{100}$ l $\frac{114}{125}$ m $\frac{1}{40}$ n $\frac{7}{200}$ o $\frac{9}{200}$ p $\frac{11}{200}$ 4 a $\frac{29}{100}$ b $\frac{53}{200}$ c $\frac{7}{1000}$ d $\frac{3}{400}$ e $\frac{1}{20}$ f $\frac{1}{2000}$ g $\frac{3}{40}$ h $\frac{809}{1000}$ i $1\frac{1}{5}$ j $3\frac{3}{5}$ k $4\frac{4}{5}$ l $6\frac{3}{25}$ m $5\frac{1}{100}$ n $3\frac{1}{50}$ o $6\frac{1}{1000}$ p $8\frac{1}{4}$

PAGE 4 1 a 5.5 b 13.3 c 8.5 d 10.2 e 3.9 f 15.35 g 2.1 h 5.3 i 9.25 j 0.3 k 0.9 l 0.9 2 a 0.6 b 0.4 c 0.4 d 1.4 e 2.3 f 6.2 g 8.3 h 8.0 i 6.0 j 0.33 k 0.44 l 0.35 3 a 83.3 b 95.2 c 36.2 d 265.92 e 8.8207 f 54.3 g 587.1 h 5612.39 i 13.082 j 841.76 k 242.73 l 543.909 4 a 38.728 b 28.487 c 14.353 d 253.338

PAGE 5 1 a 2.1 b 1.5 c 7.2 d 0.3 e 0.08 f 0.6 g 4.8 h 0.12 i 9.9 j 0.04 k 0.056 l 0.035 m 0.3 n 0.12 o 13.6 2 a 5 b 4.1 c 64 d 81 e 36 f 72 g 1960 h 12 164 i 2870 j 865 k 493 l 64 m 8 n 9350 o 750 3 a 8 b 36 c 64 d 35 e 146 f 174 g 15 260 h 267.6 i 500 j 1764 k 1038 l 2572.5 m 5625 n 2187 o 4878 4 a 0.24 b 0.35 c 0.24 d 0.01 e 0.105 f 1.2036 g 1.216 h 0.145 i 0.0006 j 0.63 k 2.004 l 2.4036 m 3.09 n 6.935 o 3.276

PAGE 6 1 a 1.2 b 2.7 c 1.75 d 1.25 e 2.8 f 1.6 g 2.14 h 1.2 i 6.5 j 14.25 k 0.159 l 6.2 m 13.8 n 2.43 o 20.1 2 a 5.2 b 8.87 c 93.517 d 0.739 e 0.685 f 0.0557 g 3.38 h 0.0995 i 0.8817 j 4.69 k 6.78 l 0.9135 m 0.356 n 0.536 o 6.381 3 a 0.13 b 0.121 c 0.24 d 0.161 e 0.0501 f 0.273 g 0.2402 h 0.0189 i 0.605 j 0.2092 k 2.5633 l 0.169 m 7.33 n 9 o 22.93 4 a 216 b 80 c 17.9 d 4.14 e 0.8 f 22.4 g 100 h 20.83 i 60.8 j 4.8 k 129 l 61 m 2.15 n 0.625 o 2431

PAGE 7 1 a 0.5 b 0.24 c 0.8 d 4.2 e 0.132 f 0.862 2 a 0.2 b 0.699 c 3.19 d 0.08 e 0.0065 f 3.056 3 a 0.03, 0.3, 0.303, 0.33 b 0.007, 0.700, 0.707, 7.07 c 1.002, 1.02, 1.2, 1.22 d 0.086, 0.86, 8.6, 86 e 8.08, 80.88, 808, 808.8 4 a 53.5, 5.35, 5.05, 3.55, 0.535 b 7.7, 7.07, 7.007, 0.7, 0.007 c 5.01, 5.001, 1.5, 1.05, 1.005 d 75.3, 57.3, 7.53, 7.053, 5.73 e 211.2, 21.12, 2.12, 2.112, 0.2112 5 a T b F c F d T e T f F 6 a < b > c < d < e = f > g > h =

PAGE 8 1 a T b R c T d R e T f R g R h T i R 2 a $0.\dot{3}$ b $0.\dot{6}$ c $0.\dot{8}\dot{3}$ d $0.\dot{1}$ e $0.\dot{3}\dot{1}$ f $0.\dot{7}$ g $0.\dot{2}\dot{7}$ h $0.\dot{6}\dot{2}$ i $0.\dot{8}$ 3 b, e, f, g, h, i 4 a $0.\dot{3}$ b $0.\dot{6}$ c $0.\dot{8}\dot{3}$ d $0.\dot{1}\dot{2}$ e $0.\dot{6}\dot{3}$ f $0.\dot{1}\dot{8}$ 5 a $0.\dot{5}\dot{6}\dot{7}$ b $0.\dot{2}\dot{7}$ c $0.\dot{6}$ d $0.\dot{1}\dot{3}\dot{6}$ e $0.\dot{1}\dot{8}$ f $0.\dot{4}\dot{5}$ g $0.\dot{1}\dot{8}\dot{5}$ h $0.\dot{2}\dot{6}$ i $0.\dot{1}\dot{6}$

PAGE 9 1 a 3.65 b 8.56 c 19.35 d 22.65 e 98.13 f 63.25 g 19.64 h 35.34 i 69.12 j 18.02 k 43.11 l 72.58 m 52.67 n 47.01 o 61.35 2 a 12.4 b 7.8 c 19.3 d 27.8 e 31.6 f 39.6 g 47.8 h 62.4 i 56.2 j 81.6 k 74.4 l 87.1 m 42.4 n 81.3 o 72.4 3 a 15.6 b 26.3 c 63.3 d 19.7 e 58.7 f 51.7 g 38.7 h 69.8 i 73.6 j 46.1 k 29.6 l 83.7 m 79.5 n 87.7 o 94.1 4 a 2.37 b 24.873 c 39.16 d 51.610 e 9.62 f 59.0013 g 18.9 h 66.5104 i 29.64 j 45.12 k 35.68 l 72.0013 m 79.302 n 87.130 o 92.61

PAGE 10 1 64 cm 2 66.15 3 14.94 cm 4 21.32 m² 5 \$1122.75 6 292 m 7 12 525 km 8 2.59 9 8.58 10 11.13 kg 11 \$700 12 \$25.35 13 \$4.60 14 \$46.80 15 8.2 m

PAGE 11 1 B 2 A 3 B 4 C 5 B 6 C 7 A 8 C 9 D 10 B 11 B 12 C

PAGE 12 1 0.95 2 $\frac{6}{100}$ 3 0.002 4 64.3 5 $\frac{39}{100}$ 6 $3\frac{1}{2}$ 7 7.908 8 2.15 9 0.36 10 638 11 > 12 3.001, 3.01, 3.1 13 $0.\dot{6}$ 14 8.72 15 \$72.80